

This listing of claims will replace all versions of claims in the "Substitute specification" marked version :

Listing of Claims:

1. (Currently Amended) A scanning ~~Seanning~~ microscope ~~with~~ comprising at least one light source defining an illumination beam path and ~~with~~ a spectral detector for detecting ~~the~~ a detection light coming from ~~the~~ a sample and defining a detection beam path, ~~said-scanning microscope containing and~~ [[a]] spectral splitter means for separating component, ~~characterized in that the spectral splitter component separates the illumination beam and the detection beam.~~

2. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim 1, wherein ~~characterized in that the spectral splitter means component contains~~ comprises a grating.

3. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim 1, wherein ~~characterized in that the spectral splitter means comprises component contains~~ a prism.

4. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim ~~[[1]]~~ 3, ~~characterized in that~~ wherein said prism comprises a boundary surface ~~of the prism is~~ reflectively coated at least in part.

5. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim ~~3~~ or 4, ~~characterized in that the~~ wherein said boundary surface reflects internally ~~the~~ detection light or ~~the~~ illumination light.

6. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim 5 ~~one of claims 3 to 5, characterized in that the~~ , wherein said boundary surface transmits the illumination light or the detection light.

7. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim ~~one of claims 4 to 6, characterized in that the~~ wherein said boundary surface comprises reflectively coated

and non-reflectively coated parts and detection light strikes the reflectively coated parts of the boundary surface and ~~that~~ the illumination light strikes the non-reflectively coated parts of the boundary surface.

8. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim 6, ~~wherein one of claims 4 to 7, characterized in that the said boundary surface comprises reflectively coated and non-reflectively coated parts and~~ illumination light strikes the reflectively coated parts of the boundary surface and ~~that the~~ detection light strikes the non-reflectively coated parts of the boundary surface.

9. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim 4, wherein said boundary surface comprises reflectively coated and non-reflectively coated parts, said ~~characterized in that the non-reflectively coated parts of the boundary surface are provided with~~ having an antireflective coating.

10. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in ~~one of claims~~ claim 4 to 9, characterized in that , wherein said boundary surface comprises reflectively coated and non-reflectively coated parts, said reflectively coated parts ~~of the boundary surface~~ and non-reflectively coated parts ~~of the boundary surface~~ are being disposed alternately next to each other.

11. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim ~~one of claims 4 , wherein to 6, characterized in that~~ the boundary surface is covered with a dichroic coating.

12. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim 4 [[3]], ~~characterized in that wherein one said~~ boundary surface of the prism is structured in stepped or sawtooth form.

13. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in ~~one of claims 3 to claim 12, characterized in that~~ 4, wherein the boundary surface totally reflects the detection light or the illumination light internally.

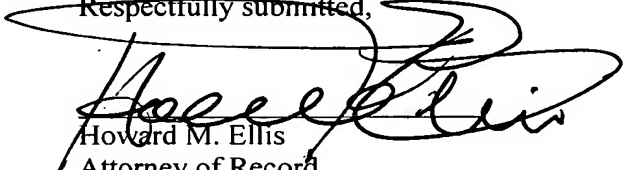
14. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim 4 ~~12 or 13~~, wherein regions of the boundary surface with total internal reflection and regions not showing total internal reflection ~~characterized in that totally internally reflecting parts of the boundary surface and not totally internally reflecting parts of the boundary surface~~ are disposed ~~alternately next to each other~~ side-by-side.

15. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in claim 3 ~~13 or 14~~, ~~characterized in that one~~ wherein said boundary surface is provided with segments made of a material the refractive index of which is different from that of the prism.

16. (Currently Amended) The scanning ~~Seanning~~ microscope as defined in ~~one of claims~~ claim ~~1 to 15, characterized in that~~ , wherein the ~~seanning~~ microscope is a confocal scanning microscope.

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Respectfully submitted,


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